1 **S2 Table: RT-qPCR validation of miRNA NGS results.** The expression level

2 tendencies of twelve miRNAs were validated in the three ALK+ ALCL cell lines

3 SUDHL-1, KiJK and Karpas 299 and the ALK- ALCL cell line Mac-1 and T cells using

4 RT-qPCR. RT-qPCR values were normalized to miR-106b and data were analyzed

5 according to the $2^{-\Delta\Delta Cp}$ method. NGS results are represented as base mean

6 expression and RT-qPCR results are shown as percentages relative to SUDHL-1

7 cells (100%).

miRNA	hsa-miR-182		hsa-miR-183		hsa-miR-203		hsa-miR-7	
method	NGS	RT-qPCR	NGS	RT-qPCR	NGS	RT-qPCR	NGS	RT-qPCR
SUDHL-1	12432	100	1412	100	395	100	255	100
KiJK	21425	220	1562	183	352	88	108	50
Karpas 299	19689	244	1446	172	201	51	187	67
Mac-1	672	7	51	7	0	1	132	35
T cells	86	4	4	0	8	5	48	31

miRNA	hsa-miR-146a		hsa-miR-146b-5p		hsa-miR-181a		hsa-miR-181a*	
method	NGS	RT-qPCR	NGS	RT-qPCR	NGS	RT-qPCR	NGS	RT-qPCR
SUDHL-1	37	100	202140	100	5082	100	481	100
KiJK	11	31	61268	28	47126	949	3881	1213
Karpas 299	39	187	1042	0	17521	683	1182	536
Mac-1	2525	4077	3566	2	60934	1198	1539	776
T cells	7082	12014	38699	19	119105	1213	1208	425

miRNA	hsa-miR-181c		hsa-miR-29c		hsa-miR-342-3p		hsa-miR-486-5p	
method	NGS	RT-qPCR	NGS	RT-qPCR	NGS	RT-qPCR	NGS	RT-qPCR
SUDHL-1	5	100	283	100	448	100	16	100
KiJK	62	1008	1155	177	198	56	5	116
Karpas 299	299	713	756	208	252	93	2106	151
Mac-1	283	1193	480	312	825	229	788	200
T cells	3493	1188	12645	3002	15014	4142	2915	221

8

9

10